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MINISTRY OF PUBLIC HEALTH

OPHTHALMIC SECTION



REPORT
FOR THE YEAR 1951

GOVERNMENT PRESS, CAIRO, 1953

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Annual Report

Work done by The Ophthalmic Section during 1951

New Units :

A new branch was created at Senouris General Hospital.

The tents travelling hospital there was consequently transferred to Tamia. Thus the total number of units became :

Permanent	95
Travelling	12
	107

Clinical Work :

The following table shows the clinical work done during 1951 compared with that done during 1950 :

	1950	1951
New patients	1,445,921	1,362,801
Out-patients	5,698,972	4,696,634
Number of out-patient visits ...	7,208,525	6,112,565
Operations	210,773	183,114
Ophthalmias	313,064	325,320

Blindness :

Number of cases of blindness including cataract cases is 39,952 (ratio percentage : 2.7) ; while the number of cases of blindness excluding cataract cases is 36,890 (ratio percentage : 2.6).

Other Services :

1.—Ophthalmologists pay regular visits to the following institutions and hospitals to examine and treat ophthalmic cases :

- (a) Leprosy Hospitals at Sioufia and Abu-Zaabal.
- (b) Mental Diseases Hospitals at Abbassia and Khanka.
- (c) Fever Hospitals at Abbassia and Imbaba.
- (d) Convalescent Hospitals at Marg.
- (e) Children's Preventorium at Giza and Marg.
- (f) Mataria Dispensary.
- (g) Chronic Disease Hospital at Helwan.

2. The ophthalmologists of the Section participate in examining motor-car drivers at Abbassia and regional traffic offices.

They are also members at general and local medical commissions.

3.—During pilgrimage a medical mission including two ophthalmologists is sent to Higaz for the examination and treatment of pilgrims at Mecca and Medina.

4.—Ophthalmologists of other administrations are accepted to work at ophthalmic hospitals to enlarge their knowledge and enable them to keep pace with recent advances, and to perform different ophthalmic operations. The Section also provides the ophthalmic units in other ministries with surgeons who have been trained in hospitals of the Section.

5.—Assistant midwives and health visitors of the rural health centres are also trained in the various hospitals of the Section so as to be furnished with sufficient knowledge on the treatment and the ætiology of the prevalent eye conditions, especially the ophthalmias, and to teach the villagers the preliminaries of ocular hygiene and prophylaxis.

Post Graduate Course :

Every year the Section organises post-graduate instructions for its new medical officers who study for the Diploma in Ophthalmic Medicine and Surgery at Cairo University.

Nursing Staff :

The Section is going ahead with its policy of replacing male attendants with nurses, as much as the budget permits until nursing will be fully carried out by female nurses in all the ophthalmic units.

Accommodation :

The number of beds in all units is 2,445. The Ministry is endeavouring to increase in-patient accommodation.

Ophthalmic Library :

The Section has a circulating library which is kept provided with old and most recent books and monographs on ophthalmology. Surgeons are thus kept in touch with all recent advances in ophthalmology, their standard is consequently raised. This library is located at Rod-el-Farag Ophthalmic Hospital, and contains also many current journals on ophthalmology. Important books are furnished in extra copies so as to facilitate their circulation to the surgeons.

Apparatus and Instruments :

The Ministry takes special interest in providing ophthalmic units with modern instruments and appliances to enable them to keep pace with ophthalmic development.

TABLE 1.—WORK DONE

1. IN-PATIENTS : ADMISSIONS	32,907	3. OUT-PATIENTS (<i>continued</i>) :	
Number of diets issued	604,049	VIII.—Spectacles ordered	2,900
2.—OPERATIONS :		IX.—Constant wash cases (number of days treatment)	1,626,606
I. Major :		X.—Age of patients examined :	
(a) Senile Cataract	1,303	Under one year	137,075
(b) Soft Cataract	251	From 1 to 5 years	175,185
(c) Trichiasis or entropion ...	50,052	„ 6 „ 10 „	162,581
(d) Other operations	13,272	„ 11 „ 15 „	125,101
TOTAL	64,878	„ 16 „ 20 „	113,685
.—Minor (including mechanical treatment of trachoma)	118,236	„ 21 „ 25 „	122,506
GRAND TOTAL, MAJOR AND MINOR OPERATIONS	183,114	„ 26 „ 30 „	80,397
3. OUT-PATIENTS :		„ 31 „ 35 „	71,467
I.—Incurable	877	„ 36 „ 40 „	85,607
II.—Postponed	52,253	„ 41 „ 45 „	75,629
III.—Tickets issued, <i>i.e.</i> new cases	1,362,801	„ 46 „ 50 „	70,375
IV.—Old cases	4,696,634	„ 51 „ 55 „	46,828
V.—Visits made by patients to hospital for treatment... ..	6,112,565	„ 56 „ 60 „	37,400
VI.—Average number of visits made to hospital by each patient under regular treatment... ..	4.4	„ 61 „ 65 „	27,956
VII.—Trichiasis cases seen among new out-patients :		„ 66 „ 70 „	19,251
(a) No previous operation having been performed	47,446	Over 70 years	11,758
(b) Previous operation performed unsuccessfully (not at an Ophathalmic Hospital, but probably by some charlatan).	3,925	TOTAL (equals tickets issued) ...	1,362,801

TABLE 2.—WORK DONE

Ametropia :			Eyelids :		
Hypermetropia	1,876		Pediculus ciliaris	6,086	
Myopia	3,009		Trichiasis and entropion	51,170	
Astigmatism	1,588		Distichiasis	201	
Presbyopia	1,018		Ectropion	1,114	
Conjunctiva :			Lagophthalmos	664	
Conjunctivitis, Gonococcal	96,309		Blepharitis... ..	199,395	
„ Morax-Axenfeld	18,540		Hordeolum... ..	3,307	
„ Koch-Weeks	53,058		Wart	554	
„ Pneumococcal	7,480		Chalazion	9,296	
„ Diphtheritic	209		Eczema	3,126	
„ Membranous	688		Rodent ulcer	3	
„ other organisms or negative “unclassified”	70,436		Dermoid	45	
Trachoma 1	127,294		Ptosis	736	
„ 2 a	90,395		Erysipelas	8	
„ 2 b'	27,498		Herpes	104	
„ 2 b''	5,659		Chancre	—	
„ 2 c	10,332		Epithelioma	5	
„ 3 including post-tracho- matous degeneration	747,789		Other tumours	72	
„ 4	97,341		Leucodermia	76	
Phlyctenule	76,679		Injuries and abscesses	2,045	
Pterygium	7,273		Lacrimal Apparatus :		
Pinguecula	5,177		Lacrimal fistula	402	
Xerosis	5,942		Stenosis of the duct	434	
Symblepharon	380		Dacryocystitis, acute	411	
Dermoid	41		„ chronic	4,476	
Other conditions :			Cyst of lacrimal gland	71	
Argyrosis	4,310		Cornea :		
Colloid and hyaline degeneration	359		Ulceration, simple	869	
Hypertrophied caruncle	717		„ hypopyon	3,581	
Injuries (foreign bodies, burn, etc.)	2,035		„ perforation	7,313	
Cyst	388		„ special forms	1,446	
Fibroma	26		Pannus	60,828	

TABLE 2 (*continued*)—WORK DONE

Cornea (<i>continued</i>):				Disseminated choroiditis 9			
Keratitis, interstitial	368	Choroido-retinitis 31					
„ trachomatous	9,773	Atrophy of choroid 95					
Nebula or Leucoma... ..	781,973	Tumours 1					
Adherent Leucoma	31,859	Albinismus 49					
Totally opaque cornea	10,887	Retina :					
Staphyloma	6,380	Retinitis, albuminuric and diabetic 34					
Xerosis of Cornea	2,350	„ syphilitic 11					
Abscess of Cornea	51	„ pigmentosa 23					
Conical Cornea (congenital)	177	Detachment of retina 107					
Keraticrasia	2,236	Embolism and thrombosis of retinal vessels 11					
Injuries (burns, foreign bodies, etc.)	2,911	Glioma 1					
Limbus :				Other conditions 2			
Tumour	3	Night-blindness (in which retinitis pigmentosa is absent) 458					
Dermoid	4	Optic Nerve :					
Epithelioma	1	Neuritis 21					
Iris :				Atrophy (see table of causes of optic atrophy) 143			
Anterior Synechia	1,503	Opaque nerve-fibres 7					
Posterior „	1,866	Other conditions 2					
Inflammation	661	Lens :					
Iris bombé	35	Cataract, senile 3,831					
Irido-dialysis	37	„ soft 403					
Congenital coloboma	19	„ traumatic 153					
Aniridia	—	„ lamellar 36					
Persistent pupillary membrane ...	16	„ anterior polar 1,414					
Iridodonesis	418	„ posterior polar 123					
Various	56	„ dislocated, traumatic 105					
Sclerotic :				„ „ operative 29			
Ciliary staphyloma	1,872	„ „ congenital 10					
Episcleritis	120	Aphakia 1,655					
Injuries	78	Secondary cataract 360					
Choroid :				Ectopia Lentis 22			
Coloboma	28						
Rupture	5						

TABLE 2. (concluded)—WORK DONE.

Vitreous :		Globe :	
		Shrunken globe... ..	14,717
Opacities	419	Buphthalmos	21
Foreign bodies	5	Exophthalmic goitre	6
Muscles :		Panophthalmitis	204
		Microphthalmos	21
Strabismus, alternating	1,725	Anophthalmos	2
„ convergent	17,878	Injury	92
„ divergent	13,986	Orbit :	
Heterophoria	937	Tumours	12
Nystagmus	1,093	Cellulitis	28
Paralysis	40	Tenonitis	—
Glaucoma :		Periostitis	2
		Injuries	10
Primary, acute	393	Cyst, frontal	1
„ sub-acute	1,224	Cyst, ethmoidal	—
„ chronic	3,263	Contracted socket	74
Secondary	9,643	Fly-blown orbit	7

TABLE 3.—CAUSES OF OPTIC ATROPHY

OPTIC ATROPHY :			
A.—(1) Primary :			
The spinal diseases causing the condition are :			
G.P. 1	—	(b) Acute fevers (including syphilis and rheumatism)	12
Tabes	22	(c) Intoxications (alcohol, lead).	
Disseminated sclerosis	—	(d) Nervous diseases (disseminated sclerosis, acute myelitis)	6
Lateral sclerosis	—	chronic retro-bulbar neuritis may be caused by tobacco, alcohol diabetes, iodoform, opium etc.	
Spastic paraplegia	—	B.—Post-neuritic :	
Lebers hereditary optic atrophy	—	The causes of optic neuritis, all of which may be followed by post neuritis, atrophy, are as follows :	
Congenital optic atrophy	—	(a) Sepsis (dental, periostitis, middle ear accessory sinuses)	23
Unknown	—	(b) Acute fevers (including syphilis and rheumatism)	12
It may also be caused by :		(c) Intoxications (kidney disease and diabetes, alcohol, felix-mas)	12
Arterio-sclerosis	—	(d) Nervous diseases : Diss. sclerosis, G.P. 1., epilepsy... ..	2
(2) Compression of the optic chiasma or of the optic nerve by a tumour or injury by a projectile or bony fracture may produce optic atrophy of a primary type.	—	(e) Anaemia	4
(3) Retro-bulbar Neuritis :		(f) Unknown	34
The acute form causes atrophy of the optic nerve primary in type, not infrequently. The chronic form more rarely. Acute retro-bulbar neuritis. The causes are :			
(a) Sepsis (dental, periostitis middle ear' accessory sinuses)	16	TOTAL : (equals Atrophy)	143

TABLE 4.—LIST OF OPERATIONS

<i>Eyelids :</i>		<i>Cornea :</i>	
For trichiasis and entropion :		Foreign body removed (minor)	2,505
Snellen'	45,632	Sæmisch's section	86
Anagnostakis	24	Cautery	212
Snellen-Anagnostakis	36	Corneal Graft and Keratoplasty	110
Conthoplasty	1,289	Various	—
Grafting mucous membrane ...	2,664		
Electrolysis (minor)	2,137	<i>Iris :</i>	
Excision of lash (minor)	1,816	Iridectomy for adherent leucoma	929
Other operations	407	„ visual	395
		„ for glaucoma	633
For Ectropion :		„ preliminary for cataract	293
Plastic	36	Cystoid cicatrix	46
Mac Callan's	1	Division of anterior synechia ...	13
Kenneth Scott's	—	Various	120
Kuhnt's	16		
Other operations	61	<i>Lacrimal Sac :</i>	
For ptosis	16	Excision	2,778
For symblepharon	58	Various (minor)	626
For hordeolum and chalazion (minor)	4,813		
Cyst removed	328	<i>Lens :</i>	
Wart excised (minor)	243	For senile cataract :	
Restitching wounds (minor) ...	140	Intracapsular	—
Opening abscesses (minor)	1,416	Extraction with iridectomy	1,086
Various... ..	139	„ after previous iridectomy	217
<i>Conjunctiva :</i>		For membrane after extraction :	
For trachoma :		Discission	226
Expression or Mechanical Treat- ment (minor)	60,376		
Combined excision of Heisrath... Post-trachomatous degeneration (minor)	1,176 42,418	For soft cataract :	
Other operations	minor ...	Extraction	23
	major ...	Discission	49
Pterygium	4,081	Curette evacuation	179
Placental Graft	—	Paracentesis	11
		For membrane after evacuation :	
		Discission	16
		Capsulotomy	41

TABLE 4. (continued)—LIST OF OPERATIONS

<i>Retina :</i>			
For Detachment of Retina... ..	—	For dermoid	5
		„ cellulitis	12
<i>Globe :</i>		„ cyst, frontal	—
Trephining of corneo-sclera with iridectomy	604	„ ethmoidal	—
Trephining	67	Tenotomy and advancement ...	4
Excision	186	Other major operations	—
Evisceration	193	Trial with magnet :	
Paracentesis	322	Positive	23
Other major operations	23	Negative	—
<i>Orbit :</i>		TOTAL : total number of major and minor operations page (1) ...	183,114
Exenteration	6		
For tumour	10		

TABLE 5.—NUMBER OF NEW PATIENTS TREATED AT ALL OPHTHALMIC HOSPITALS
DURING 1951

Hospitals	Number	Hospitals	Number	Hospitals	Number
Rod El Farag	79,036	Number 4	7,485	Number 8	7,539
Giza	52,838	El Zagazig	16,889	El Minia	13,887
El Khalifa	43,375	Abu Kebir	8,841	Maghagha	14,484
Bab El Shaâria	20,015	Fakous	9,084	Samallout	18,679
Boulak... ..	19,806	Minia El Qamh	11,206	El Fikria	17,256
Number 1	21,863	Inshas	7,942	El Fashn	13,019
„ 3	21,986	Belbeis	7,591	Bani Mazar	11,958
Port Sayed	35,155	Number 6	4,082	Number 14... ..	6,046
Ismaelia	12,343	Shibin el Koam	18,133	Assiut	12,969
Suez	29,129	Kuesna	7,237	Manfalout	11,120
Damietta	11,429	Menouf	13,759	Mallawi	16,333
Number II.	7,862	Ashmoun	9,487	Dairout	11,724
Banha	23,023	Tala	7,148	El Badari	7,985
Qalioub	19,766	El Bagour... ..	2,473	Abu Teeg	7,589
Shebin El Kanater	10,421	Sobk El Dahak... ..	5,042	Sahel Seleem	7,275
Number 12	4,437	Zawiet El Naoura	1,772	Number 5	5,175
Tanta	30,069	Number 2	6,030	Souhag	12,193
El Santa	8,719	Damanhour	19,845	Tahta	13,747
Zefta	12,221	Edfina	5,196	Tima	10,015
El Mahalla El Kobra	12,715	Koam Hamada	5,746	Guirga	15,438
Taieba... ..	13,549	El Delingat	3,380	El Baliana	14,391
Sherbin	10,575	Shubrakhiet	1,754	Akhmim	11,407
Samannud	16,462	Kafr el Dawar	9,294	Number 10... ..	12,110
Kafr El Zayat... ..	17,033	Etay El Baroud	4,360	Quena	20,544
Minshat El Badrawi	1,459	Number 9	12,472	Esna	10,051
Kafr El Sheikh	10,036	El Saff	6,371	Luxor	13,005
Fowa	4,738	El Ayat	5,929	Qous	6,114
Desouk	12,756	Number 13... ..	8,477	Naga-Hammadi	10,826
Number 15	4,789	Bani-Suef	26,809	Dishna	6,542
Mansoura	27,328	El Wasta	7,832	Kom-Ombo	7,131
El Mataria... ..	30,536	Beba	11,916	Asswan	9,030
Mit Ghamr	12,532	Number 7	9,800	Edfu	3,458
El Senbellawein	7,360	El Fayoum	18,084	Rosetta	8,642
Fareskour	6,751	Tamia	5,586	El Mataâna	—
Aga	4,276	Sinnoures	10,793	El Arish	—
Dekerness	9,488	Etsa	9,298	Total	1.362.801

TABLE 6.—NUMBER OF OPERATIONS PERFORMED AT ALL OPHTHALMIC HOSPITALS
DURING 1951

Hospitals	Number	Hospitals	Number	Hospitals	Number
Rod El Farag	6,371	Number 4	1,105	Number 8	1,491
El Giza	5,633	El Zagazig	1,030	El Minia	1,511
El Khalifa	2,945	Abu Kebir	1,152	Maghagha	951
Bab El Shaâria	2,364	Fak us	1,540	Samallout	2,116
Boulak... ..	2,541	Minia el Qamh... ..	1,805	El Fikria	1,971
Number 1	4,426	Enshas	733	El Fashn	1,828
„ 3... ..	2,423	Belbeis	1,750	Bani Mazar	1,328
Port Sayed... ..	2,292	Number 6	993	Number 14... ..	1,331
Ismaelia	1,384	Shebin el Koam	3,595	Assiut	3,087
Suez	1,621	Kuesna	1,888	Manfalout	1,268
Damietta	1,957	Menouf	2,227	Mallawi	2,090
Number 11... ..	1,889	Ashmoun	1,473	Dairout	1,233
Banha	2,393	Tala	2,565	El Badari	914
Qalioub	2,319	El Bagour	421	Abu Teeg	1,824
Shebin El Kanater	1,877	Sopk El Dahak... ..	446	Sahel Seleem	858
Number 12	1,052	Zawyet El Naoura	123	Number 5	722
Tanta	3,279	Number 2	1,256	Souhag	3,260
El Santa	1,565	Damanhour	4,021	Tahta	2,478
Zefta	1,772	Edfina	495	Tima	2,835
El Mahalla El Kobra	1,709	Koam Hamada	864	Guirga... ..	2,751
Taieba	781	El Delingat..... ..	726	El Baliana	2,971
Sherbin	1,238	Shoubra khiet	576	Ekhmim	1,984
Samannud	1,131	Kafr El Dawar	2,121	Number 10... ..	1,252
Kafr El Zayat	154	Etay El Baroud	645	Quana	2,018
Minshat El Badrawi... ..	—	Number 9	746	Esna	2,006
Kafr El Sheikh	2,440	El Saff	518	Luxor	3,359
Fowa	431	El Ayat	937	Qous	1,586
Desouk	1,421	Number 13... ..	1,673	Naga Hammadi	1,793
Number 15... ..	1,260	Bani-Suef	3,704	Dishna	867
Mansoura	2,430	El Wasta	1,162	Kom-Ombo	834
Mataria	3,488	Beba	2,518	Asswan	927
Mit Ghamr	2,897	Number 7	1,304	Edfu	115
El Senbellawein	1,400	El Fayoum	1,481	Rosetta	315
Faraskour	1,044	Tamia... ..	1,439	El Mataâna	—
Aga	320	Sinnoures	1,628	El Arish	—
Dekerness	1,548	Etsa	873		
				TOTAL	183,114

TABLE 7.—NEW PATIENTS TREATED
ACCORDING TO THE AGE AT WHICH THEY
SOUGHT TREATMENT DURING 1951

Age	Numbers
Under one year	124,488
From 1 to 5 years	173,432
„ 6 „ 10 „	125,475
„ 11 „ 15 „	104,882
„ 16 „ 20 „	98,083
„ 21 „ 25 „	108,730
„ 26 „ 30 „	148,599
„ 31 „ 35 „	97,952
„ 36 „ 40 „	87,305
„ 41 „ 45 „	79,852
„ 46 „ 50 „	63,882
„ 51 „ 55 „	50,040
„ 56 „ 60 „	40,458
„ 61 „ 65 „	27,682
„ 66 „ 70 „	21,294
Over 70 years	10,647
TOTAL	1,362,801

TABLE 8.—NEW PATIENTS TREATED PER MONTH

Months	Number
January	64,284
February	68,052
March	74,998
April	98,569
May	128,568
June	162,851
July	172,425
August	171,316
September	149,996
October	142,247
November	65,345
December	64,150
TOTAL	1,362,801

TABLE 9.—AVERAGE TEMPERATURE: THE AVERAGE TEMPERATURE WAS ARRIVED AT BY TAKING ONE PLACE IN LOWER EGYPT (GEMMEIZA), ONE PLACE IN CAIRO (GIZA) AND ONE PLACE IN UPPER EGYPT (ASSIUT) AND OBTAINING AN AVERAGE FIGURE FROM THE MEAN TEMPERATURE AT EACH PLACE ON EACH MONTH.

Month	Gemmeiza	Giza	Assiut	Average
January	11·3	12·0	12·0	11·8
February	12·0	13·3	13·7	13·0
March	15·7	17·4	18·6	17·2
April	18·4	19·9	21·6	20·0
May	23·0	24·6	27·7	25·1
June	25·1	26·0	28·2	26·4
July	26·3	27·2	28·4	27·3
August	26·9	27·5	28·5	27·6
September	25·6	26·3	27·6	26·5
October	22·3	23·4	25·6	23·8
November	17·4	17·7	18·0	17·7
December	12·0	12·0	12·5	12·2

TABLE 10.—SYNOPSIS OF WORK AT ALL OPHTHALMIC HOSPITALS DURING 1951

	1950	1951
<i>Hospitals in existence :</i>		
Travelling	15	12
Permanent	91	95
New patients treated	1,445,921	1,362,801
Total attendance of out-patients	7,208,525	6,112,565
Operations performed	210,773	183,114
In-patients	35,449	32,907
<i>Details :</i>		
Patients examined	1,554,063	1,362,801
„ regularly treated	5,698,972	4,696,634
Incurable cases... ..	816	877
Blind in one eye	34,961	33,537
Blind both eyes	6,328	6,415
Trichiasis cases examined	57,649	51,371
„ „ operated on and cured	54,528	50,052

TABLE 11.—CAUSES OF BLINDNESS

A.— <i>Congenital</i>	9
B.— <i>Acquired</i> :	
I.—Conjunctivitis resulting in :	
(a) Total corneal opacity	10,887
(b) Shrunken globe	14,717
(c) Secondary glaucoma	5,305
(d) Other conditions	1,022
II.—Fundus :	
(a) Optic atrophy... ..	143
(b) Optic neuritis	21
(c) Retinitis pigmentosa	13
(d) Detachment of Retina... ..	85
(e) Other diseases of fundus	60
III.—Glaucoma, primary :	
(a) Monocular (including absolute No. =1164)	2,347
(b) Binocular („ „ „ = 670)	1,400
IV.—Injury	162
V.—Operation	33
VI.—Infectious diseases	19
VII.—Iritis endogenous	349
VIII.—Various	318
TOTAL excluding cataract cases	36,890
Cataract Cases	3,062
GRAND TOTAL	39,952

TABLE 12.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES

Hospital	1950	1951	Hospital	1950	1951	Hospital	1950	1951
Rod El Farag ...	3·6	2·56	Number 4 ...	2·1	1·33	Number 8 ...	2·6	4·96
Giza ...	2·7	2·84	El Zagazig ...	1·8	1·30	El Minia ...	1·0	0·41
El Khalifa ...	3·2	3·78	Abu-Kebir ...	0·7	0·30	Maghagha ...	2·9	4·80
Bab El Shaâria...	3·6	3·50	Fakous ...	4·7	4·15	Samallout ...	3·8	4·1
Boulak ...	1·2	1·28	Minia el-Qamh ...	2·4	1·90	El-Fikria ...	3·1	2·80
Number 1 ...	2·4	3·17	Inshas ...	1·4	1·77	El Fashn ...	2·7	2·55
„ 3 ...	4·3	1·41	Belbeis ...	4·4	3·17	Bani Mazaar ...	1·4	1·22
Port Sayed...	1·2	1·90	Number 6 ...	2·9	1·30	number 14 ...	4·9	2·50
Ismaelia ...	3·8	3·58	Shebin El Koam	3·1	3·09	Assiut ...	3·0	2·29
Suez ...	2·2	2·28	Kuesna ...	2·1	3·51	Manfalout ...	4·6	4·80
Damietta ...	3·3	2·93	Menouf ...	3·6	3·32	Mallawi ...	3·7	2·11
Number 11...	3·9	5·50	Ashmoun ...	4·1	3·45	Dayrout ...	1·6	1·10
Benha ...	2·02	1·54	Tala ...	3·9	3·30	El Badari ...	3·6	3·39
Qalioub ...	0·8	0·84	El Bagour ...	4·2	3·90	Abu-Tig ...	5·0	4·46
Shebin El Kanater	3·6	3·52	Sobk El Dahaak	0·3	5·00	Sahel Seleem ...	2·9	2·96
Number 12...	2·3	1·75	Zawyet-el-Naoura	—	1·24	Number 5 ...	3·42	3·53
Tanta ...	2·5	2·24	Number 2 ...	2·6	2·48	Souhag ...	3·3	3·78
El Santa ...	2·08	2·43	Damanhour ...	4·4	3·71	Tahta ...	2·6	2·87
Zefta ...	3·7	3·60	Edfina ...	1·6	1·03	Tima ...	2·9	2·61
Mahalla El Kobra	2·3	1·85	Koam Hamada ...	6·7	5·70	Guirga ...	3·8	2·85
Taieba ...	0·8	0·64	El Dilingat...	4·2	3·23	El Baliana ...	3·0	3·98
Sherbin ...	1·8	0·90	Shoubrakheit ...	3·0	2·73	Akhmim ...	2·7	2·19
Samannoud ...	1·3	1·20	Kafr El Dawar...	5·1	4·90	Number 10...	1·4	2·08
Kafr El Zayat ...	3·2	3·21	Etag El Baroud	4·4	2·66	Quena ...	1·6	1·11
Minshat El Badrawi	—	0·75	Number 9 ...	0·13	0·10	Esna ...	3·2	2·30
Kafr El Sheikh...	4·6	4·58	El Saff ...	3·4	3·51	Luxor ...	3·6	2·99
Fowa ...	2·5	2·97	El Ayat ...	2·9	1·00	Qous ...	4·3	2·81
Disouk ...	2·5	2·47	Number 13...	1·8	2·00	Naga-Hammadi...	2·7	1·84
Number 15...	2·2	1·12	Bani-Suef ...	2·7	1·80	Dishna ...	4·6	2·56
Mansoura ...	2·5	2·72	El Wasta ...	2·7	2·13	Kom Ombo ...	4·4	3·70
Mataria ...	1·5	1·21	Beba ...	4·9	4·19	Asswan ...	2·2	1·90
Mit Ghamr ...	1·8	1·68	Number 7 ...	3·7	2·60	Edfu ...	2·3	0·99
Sinbellawein ...	4·8	4·52	El Fayoum...	5·01	2·74	Rosetta ...	2·5	1·71
Fareskour ...	3·1	2·31	Tamia ...	—	3·67	El Mataâna ...	—	—
Aga ...	2·5	2·50	Sineures ...	2·4	2·01	El-Arish ...	—	—
Dekernis ...	2·8	1·94	Etsa ...	3·2	3·14			

TABLE 13.—BLINDNESS AMONG OUT-PATIENTS SINCE 1909 TO 1951

Year	Total Number of Patients examined	One Eye including Cataract Cases		Both Eyes including Cataract Cases		One Eye and both Eyes including Cataract Cases		One Eye excluding Cataract Cases		Both Eyes excluding Cataract Cases		One Eye and both Eyes excluding Cataract Cases	
		Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
1909...	22,373	2,116	9.4	1,385	6.1	3,501	15.6	—	—	—	—	—	—
1910...	65,506	3,438	9.5	2,010	7.8	4,448	17.4	—	—	—	—	—	—
1911...	31,274	3,196	10.2	2,811	8.9	6,007	19.2	—	—	—	—	—	—
1912...	43,668	4,110	9.4	2,824	6.4	6,939	15.2	—	—	—	—	—	—
1913...	62,233	5,361	8.6	3,878	6.2	9,238	14.8	—	—	—	—	—	—
1914...	75,398	6,420	8.5	3,591	4.8	10,016	13.2	—	—	—	—	—	—
1915...	71,930	5,637	7.8	2,992	4.2	8,629	12.0	—	—	—	—	—	—
1916...	94,447	7,042	7.4	3,504	3.7	10,546	11.2	—	—	—	—	—	—
1917...	100,410	9,285	9.3	4,611	4.6	12,996	13.9	—	—	—	—	—	—
1918...	90,668	8,969	9.9	4,261	4.7	13,230	14.6	—	—	—	—	—	—
1919...	83,577	8,537	10.2	4,278	5.1	12,815	15.3	—	—	—	—	—	—
1920...	108,113	9,833	9.1	5,154	4.7	14,987	13.8	—	—	—	—	—	—
1921...	127,223	10,566	8.3	5,053	3.9	15,619	12.2	—	—	—	—	—	—
1922...	147,492	12,524	8.5	4,858	3.3	17,374	11.8	—	—	—	—	—	—
1923...	174,004	14,394	8.3	5,146	2.9	19,540	11.2	—	—	—	—	—	—
1924...	206,342	16,535	8.0	5,716	2.4	22,251	10.8	—	—	—	—	—	—
1925...	246,771	19,422	7.9	6,137	2.5	25,559	10.4	—	—	—	—	—	—
1926...	283,602	21,979	7.7	6,702	2.6	28,681	10.1	—	—	—	—	—	—
1927...	261,577	26,591	7.4	8,689	2.4	35,280	9.8	—	—	—	—	—	—
1928...	402,030	28,816	7.2	8,592	2.1	37,408	9.3	—	—	—	—	—	—

1929...	...	...	...	479,932	21,893	6·6	8,697	2·8	40,590	8·4	—	—	—	—	—	—
1930...	...	...	...	539,358	36,021	6·6	9,513	1·7	45,534	8·4	—	—	—	—	—	—
1931...	...	...	...	652,338	38,433	5·9	9,489	1·4	47,922	7·3	—	—	—	48,851	6·9	—
1932...	...	...	...	737,990	40,215	5·4	10,740	1·5	50,955	6·9	36,945	5·0	15,220	48,165	6·5	—
1933...	...	...	...	838,626	45,980	5·4	10,870	1·3	56,850	6·7	44,025	5·2	10,193	54,218	6·4	—
1934...	...	...	...	944,871	47,122	5·0	11,371	1·2	58,493	6·2	45,056	4·8	10,519	55,575	5·9	—
1935...	...	...	...	1,049,584	51,525	4·6	11,361	1·1	62,886	6·0	48,984	4·7	10,492	59,481	5·7	—
1936...	...	...	...	1,145,321	53,520	4·0	12,800	1·1	66,330	5·7	52,707	4·5	11,430	63,137	5·5	—
1937...	...	...	...	1,225,665	59,512	4·8	12,930	1·0	72,442	5·8	58,357	4·0	10,256	68,612	5·5	—
1938...	...	...	...	1,336,116	67,874	5·0	17,225	0·9	80,049	5·9	64,528	4·7	11,825	76,352	5·5	—
1939...	...	...	...	1,939,777	59,656	3·8	12,518	0·8	72,178	4·7	57,793	3·7	11,574	79,367	5·5	—
1940...	...	...	...	1,923,890	59,349	3·7	12,497	0·8	71,846	4·4	56,752	3·4	11,590	68,342	4·2	—
1941...	...	...	...	1,646,559	57,397	3·4	10,603	0·6	68,100	4·1	54,869	3·3	9,887	64,750	3·9	—
1942...	...	...	...	1,406,616	50,833	3·4	9,611	0·6	60,444	4·1	48,909	3·3	8,953	57,862	3·94	—
1943...	...	...	...	1,256,641	44,035	3·5	9,150	0·7	53,185	4·2	42,247	3·3	8,574	50,811	4·0	—
1944...	...	...	...	1,303,249	40,842	3·1	9,632	0·7	50,474	3·8	30,915	3·0	8,853	47,768	3·7	—
1945...	...	...	...	1,288,726	41,700	3·2	9,026	0·7	50,726	3·9	40,532	3·1	7,352	47,884	3·7	—
1946...	...	...	...	1,298,280	42,049	3·3	7,760	0·6	49,809	3·9	41,644	3·2	5,213	46,857	3·6	—
1947...	...	...	...	1,754,488	35,634	3·1	6,634	0·5	42,168	3·6	34,134	2·9	5,034	39,168	3·3	—
1948...	...	...	...	1,241,998	36,795	2·9	6,337	0·5	43,993	3·4	34,419	2·7	6,476	40,895	3·2	—
1949...	...	...	...	1,331,904	34,819	2·6	6,415	0·4	41,234	3·9	32,626	2·4	5,734	38,360	2·8	—
1950...	...	...	...	1,509,553	34,961	2·3	6·328	0·4	41,289	2·7	32,495	2·2	6,297	38,792	2·5	—
1951...	...	...	...	1,415,931	33,537	2·3	6,415	0·4	39,952	2·7	31,200	2·2	5,690	36,890	2·6	—

TABLE 14.—YEARLY PERCENTAGE OF BLINDNESS AMONG OPHTHALMIC HOSPITALS, PATIENTS SINCE THE YEAR 1909 TO 1951

Year	Percentage of blindness in one or both eyes including cataract cases	Percentage of blindness in one or both eyes excluding cataract cases	Year	Percentage of blindness in one or both eyes including cataract cases	Percentage of blindness in one or both eyes excluding cataract cases
1909	15·6	—	1931... ..	7·3	6·9
1910	17·4	—	1932... ..	6·9	6·5
1911	19·2	—	1933... ..	6·7	6·4
1912	15·2	—	1934... ..	6·2	5·9
1913	14·8	—	1935... ..	6·0	5·7
1914	13·2	—	1936... ..	5·7	5·5
1915	12·0	—	1937... ..	5·8	5·5
1916	11·2	—	1938... ..	5·9	5·5
1917	13·9	—	1939... ..	4·7	4·5
1918	14·6	—	1940... ..	4·4	4·2
1919	15·3	—	1941... ..	4·1	3·9
1920	13·8	—	1942... ..	4·1	3·9
1921	12·2	—	1943... ..	4·2	4·0
1922	11·8	—	1944... ..	3·8	3·7
1923	11·2	—	1945... ..	3·9	3·7
1924	10·8	—	1946... ..	3·9	3·6
1925	10·4	—	1947... ..	3·6	3·3
1926	10·1	—	1948... ..	3·4	3·2
1927	9·8	—	1949... ..	3·9	2·8
1928	9·3	—	1950... ..	2·7	2·5
1929	8·4	—	1951... ..	3·2	2·9
1930	8·4	—			

TABLE 15.—INCIDENCE OF PRIMARY GLAUCOMA DURING 1951 .

Varieties	1951
Acute	393
Sub-acute	1,224
Chronic	3,263
TOTAL	4,880
Total number of patients examined	1,362,801
Percentage of glaucoma cases	0·36
Percentage of absolute glaucoma cases	0·13
<i>Operations :</i>	
Iridectomy	633
Trephining with iridectomy	604
Including absolute monocular and binocular	1,834

TABLE 16.—INCIDENCE OF PRIMARY GLAUCOMA DURING 1938—1951.

VARIETIES	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Acute... ..	218	276	210	156	104	145	184	218	198	236	477	522	355	393
Sub-acute...	769	882	1,020	1,528	1,653	792	967	1,251	1,187	1,127	1,234	1,259	1,144	1,224
Chronic	7,975	7,068	6,622	5,849	4,989	4,319	4,339	4,200	4,191	3,652	4,513	3,625	3,526	3,263
TOTAL	8,962	8,226	7,852	7,533	6,746	5,256	5,490	5,669	5,576	5,015	6,224	5,406	5,025	4,880
Total number of patients examined	1,356,116	1,539,717	1,623,890	1,431,858	1,466,616	1,256,641	1,303,249	1,286,726	1,298,280	1,154,488	1,241,998	1,331,904	1,554,063	1,362,801
Percent of glaucoma cases	0.66	0.53	0.48	0.52	0.45	0.42	0.42	0.44	0.43	0.43	0.35	0.4	0.36	0.36
Percent of absolute glaucoma	0.29	0.26	0.23	0.25	0.22	0.19	0.11	0.17	1.18	0.19	0.2	0.16	0.13	0.13
Operations:														
Iridectomy	1,734	1,852	1,671	166	1,587	1,077	1,082	1,074	944	784	614	571	599	633
Trephining with iridectomy	1,451	1,522	1,512	1,382	1,289	1,100	1,144	1,029	922	782	659	756	584	604

TABLE 17.—TISSUES HARDENED. SECTIONS CUT AND EXAMINED MICROSCOPICALLY AT THE
MEMORIAL OPHTHALMIC LABORATORY, GIZA, DURING 1951.

Lids and eyebrow :		Choroid :— (<i>contd.</i>)		
Inflammations	5	Tumours, malignant	3	
Tumours { Benign, including cysts	18	Detachment	2	
{ Malignant	8	Retina and Optic Nerve :		
Conjunctiva :		Detachment	9	
Foreign body	—	Degeneration	18	
Inflammations	13	Tumours, malignant	2	
Degeneration	10	Orbit :		
Tumours { Benign, including cysts	26	Tumours { Benign, including cysts	7	
{ Malignant	2	{ Malignant	3	
Limbus :		Smears from conjunctiva	708	
Tumours { Benign, including cysts	15	Mantoux test	69	
{ Malignant	10	Lacrimal Glands :		
Cornea :		Tumours; Benign including Cysts	2	
Wounds	1	Lacrimal Sac Canaliculi :		
Inflammation, including ulceration	7	Tumours	1	
Degeneration	15	Glaucoma :		
Staphyloma	16	Secondary inflammation indo-		
Tumours { Benign	—	cyclitis	1	
{ Malignant	—	Anterior synechia or adh. leucoma	12	
Sclerotic :		Panophthalmitis and endophthal-		
Wounds	2	mitis :		
Tumours { Benign	—	Endophthalmitis	4	
{ Malignant	1	Exogenous	2	
Iris and ciliary body :		Phthisis bulbi :		
Wounds	3	Trauma	1	
Degeneration	6	Inflammation	1	
Tumours { Benign, including cysts	1	Fly blown orbit	6	
{ Malignant	—	Unclassified	18	
Lens :		Examination of cells :		
Cataract	7	Eosinophillia { Positive	203	
Dislocation	2	{ Negative	135	
Choroid :		Special bacteriological examination		
Degeneration, including ossification	12	(smears not included)	140	
		Exam. of blood, urine and faeces ...	49	
		GRAND TOTAL	1,576	

TABLE 18.—WASSERMAN TEST

Positive	...	...	...	...	...	...	212
Doubtful	...	...	...	...	...	...	3
Negative	...	...	...	...	...	...	1,914
Unfit	...	...	...	...	...	...	188
TOTAL							2,317

TABLE 19.—RESULT OF EXAMINATION OF
DIPHTHERIA SPECIMENS

Positive	...	...	...	...	...	...	5
Negative	...	...	...	...	...	...	417
Overgrown		...	...	...	...	...	—
Sterile	...	...	...	...	...	...	—
Unfit	...	...	...	...	...	...	—
TOTAL							422

TABLE 20.—NUMBER OF BEDS AT ALL OPHTHALMIC HOSPITALS DURING 1951.

Hospital	Number of Beds	Hospital	Number of Beds	Hospita.	Number of Beds
Rod El Farag	149	Abu Kabir	30	El Fikriya	13
Giza	68	Fakous	12	El Fashn	12
El Khalifa	32	Minia El Qamh ...	12	Bani Mazar	14
Bab El Shaaria... ..	9	Anshas	20	Number 14... ..	30
Boulak	6	Belbeis	12	Assiut	55
No. 1. at Azhar ...	30	Number 6... ..	30	Marfalout	30
„ 3. at Sharabia...	22	Shibin el Koam ...	27	Mallawi	11
Port Sayed	48	Kuesna	12	Dairout	12
Ismaelia	12	Minouf	50	El Badari	10
Suez	25	Ashmoun	12	Abu Teeg	12
Damietta	25	Tala	11	Sahel Seleem	8
Number 11... ..	30	El Bagour	—	Number 5... ..	15
Benha	76	Sopk El Dahak ...	4	Souhag	23
Qalioub	24	Zawiet El Naoura ...	8	Tahta	30
Shebin El Kanater ...	12	Number 2... ..	30	Tima	21
Number 12... ..	30	Damanhour	31	Guirga	12
Tanta	41	Edfina	45	Baliana	12
El Santa	10	Koam Hamada ...	11	Akhmim	12
Zefta	2	El Dilingat	12	Number 10... ..	20
El Mahalla El Kobra	12	Shoubrahit	12	Quena	31
Taieba	15	Kafr El Dawar	8	Esna	23
Sherbin	12	Etay El Baroud ...	20	Luxor	25
Samannud	10	Number 9... ..	30	Qous	12
Kafr el Zayat	8	El Saff	12	Naga Hammadi ...	14
Minshat-el-Badrawi ...	20	Ayat	20	Deshra	12
Kafr el-Sheikh	30	Number 13... ..	30	Kom Ombo	6
Fuwa	6	Bani-Suef	89	Asswan	25
Disuq	12	El Wasta	12	Edfu	12
Number 15... ..	30	Baba	12	El Mataâna	—
Mansoura	78	Number 7... ..	30	El Arish	—
Mataria	24	El Fayoum... ..	51	Rose'ta	12
Mit Ghamr... ..	12	Tamia	30	3rd Class	2,417
El Senbellawein ...	12	Sinnoures	20	2nd Class. at Rod	
Faraskur	15	Itsa	12	El Farag and Port	
Aga	12	Number 8... ..	30	Sayed 4 in each ...	8
Dekernis	12	El Minia	25	1st Class :	5
Number 4... ..	30	Maghagha	17	2 at Rod el Farag	
El Zagazig	36	Samallout	21	2 at Port Sayed	
				1 at Assuit	
				TOTAL	2,430

TABLE 21.—COST OF UNIFORM DIETS FOR ALL IN-PATIENTS AT OPHTHALMIC HOSPITALS
DURING 1951, EXCLUDING COST OF RATIONS OF EMPLOYEES

Hospital				Number of Diets issued	Total Cost	Cost per day per Head	Hospital				Number of Diets issued	Total Cost	Cost per day per Head
No. 1	...	...	...	8,648	742	65	Kalioub	...	...	...	6,299	403	64
„ 2	...	...	...	4,428	332	75	Tanta	...	...	...	11,352	795	70
„ 3	...	...	...	131,760	637	77	Santa	...	...	...	3,003	208	69
„ 4	...	...	...	3,650	322	85	Zefta	...	...	...	633	48	72
„ 5	...	...	...	11,992	789	72	Mahalla El Kobra	...	...	...	3,201	442	138
„ 6	...	...	...	2,046	261	90	Kafr el Sheikh	...	...	...	9,899	792	80
„ 7	...	...	...	5,899	419	71	Mansoura	...	...	...	17,459	1,235	71
„ 8	...	...	...	6,685	501	75	Mataria	...	...	...	7,386	687	115
„ 9	...	...	...	2,797	212	76	Zagazig	...	...	...	7,770	598	77
„ 10	...	...	...	3,854	371	96	Shebin el Kom	...	...	...	7,629	534	70*
„ 11	...	...	...	4,926	320	65	Kuesna	...	...	...	3,326	1,283	55
„ 12	...	...	...	4,555	419	65	Damanhur	...	...	...	9,461	726	77
„ 13	...	...	...	6,458	422	65	Edfina	...	...	...	4,599	386	84
„ 14	...	...	...	5,970	592	65	Beni Suef	...	...	...	28,848	2,337	83
„ 15	...	...	...	—	—	—	Fayum	...	...	...	15,873	1,152	73
Abu Kebir	...	...	...	3,760	282	75	Minia	...	...	...	6,772	420	62
Tamia	...	...	...	8,415	537	55	Maghagha	...	...	...	4,960	359	71
Tahta	...	...	...	10,752	971	90	Samallut	...	...	...	7,325	476	65
Tima	...	...	...	7,515	541	72	Assiut	...	...	...	14,826	1,038	70
Rod el Farag	...	...	...	43,175	3,021	70	Sohag	...	...	...	8,181	720	88
Giza	...	...	...	20,050	1,769	88	Quena	...	...	...	6,930	416	60
Khalifa	...	...	...	7,106	497	70	Manfalout	...	...	...	6,951	459	66
Port Sayed	...	...	...	14,225	981	76	Kom Ombo	...	...	...	1,421	92	65
Benha	...	...	...	16,920	1,149	67	TOTAL	...	...	...	529,720	31,693	73

1. Admission of in-patients to Hospital No 15. was stopped due to local Causes.
2. Except Oph thalmic Branches included in General Hospitals.
3. Fuel being out of this account.

SCALE OF FULL DIET GIVEN TO ALL IN-PATIENTS AT ALL OPHTHALMIC HOSPITALS

						Grs.							Grs
Bread	...	...	...	...	...	450	Milk	...	...	...	...	...	200
Beef	...	...	...	...	...	150	Butter	...	...	...	...	...	15
Vegetables	...	...	...	...	...	150	Sugar	...	...	...	...	...	30
Lentils	...	...	...	...	...	75	Salt	...	...	...	...	...	20
Rice	...	...	...	...	...	75							

TABLE 22.—ACTUAL EXPENDITURE :
(A) GENERAL ADMINISTRATION

	L.E.
Pensionable staff	8,311
Hors cadre staff	1,062
Transport, transfer and travelling allowance	189
Telephones	—
TOTAL	9,562

TABLE 23.—ACTUAL EXPENDITURE :
(B) GOVERNMENT OPHTHALMIC HOSPITALS

Chapter	Total actual Expenditure
	L.E.
Pensionable staff	71,222
Hors cadre staff	95,662
Transport, transfer and travelling allowance	1,416
Food	38,676
Forage... ..	—
Water	2,740
Light	1,335
Disposal of sewage	273
Fuel	2,179
Rent	397
Telegrams and Telephones	24
Stores :	
General Equipment	6,411
Passage fare of stores	441
Surgical Equipment	669
„ Instruments	1,045
Drugs	4,938
Dressings	1,277
Petty expenses	807
TOTAL	229,512

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